



Shaw Shaw Environmental, Inc.

Daily Log	Date	6	7	10
	No.			
	Sheet	1	of	1

### FIELD ACTIVITY DAILY LOG

PROJECT NAME: PAVILLION DRILLING PROJECT NO. 135976  
FIELD ACTIVITY SUBJECT: DEEP WELL DRILLING UTILITY CHECK LOCKER PROPERTY

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:30 ON-SITE TO MEET GUEST COMMUNICATIONS FOR UTILITY  
8:15 LOCATE. GUEST ON-SITE LINES ARE ALONG HARRIS ROAD  
ROAD AND TO THE LOCKER HOUSE.  
8:45 OFF-SITE  
14:00 RUN WITH UNDERGROUND UTILITIES WALKED THE SITE  
WITH JEFF LOCKER AND MARKED ALL UTILITIES  
UPC # 101550122

VISITORS ON SITE:  
DEB VEERY WITH GUEST COMM

CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER  
SPECIAL ORDERS AND IMPORTANT DECISIONS.

WEATHER CONDITIONS:  
SOON Y 55°F

IMPORTANT TELEPHONE CALLS:  
CHAD CHAMBER WITH RAIN FOR NEXT  
307 908-1035 FILTER BOXES TO BE  
DELIVERED 6/5/10 AT 10:30-11:00

IT PERSONNEL ON SITE: JIM WILSON, BURNETT CHAMBER

SIGNATURE: James Wilson

DATE: 6/7/10



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Daily Log	Date	6	8	10
	No.			
	Sheet	1	of	2

### FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PAVILLION DRILLING			PROJECT NO.	135976
FIELD ACTIVITY SUBJECT:	FILTER BOX DELIVERY, DRILLING HOLE SITE, AT LOCKER PROPERTY				
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:					
10:00 ON-SITE WAITING ON FILTER BOX DELIVERY					
10:30 BOAT LONGTOWN ON-SITE RUSS OTTO + JIM EGGERS SHOWED LOCATION FOR LOCKER TWIN-1 AND EN CANA'S DISTRIBUTION LINE LOCATIONS MARKED WITH YELLOW FLAGS					
10:45 EPA ON-SITE WITH GREGORY OBEALEY + RUSSELL MALL TALKED ABOUT LOCATION AND EPA DISCUSSED DRILLING PROBLEMS IN THE AREA A					
BOAT LONGTOWN PERSONNEL TO ARRIVE TONIGHT + R/L TO ARRIVE WEDNESDAY NIGHT OR THURSDAY MORNING R/L IS 85' WIDE + 62' LONG SURFACE CASING WILL BE 10" ID - BORE HOLE WILL BE 17"					
13:30 RAIN FOR NET ON-SITE TO DELIVER 2 - 25YD FILTER BOXES UNLOADING SOUTH SIDE OF OPEN AREA EAST OF THE NEW LOCATION.					
14:45 EN CANA OIL + GAS LOCATION CHECK TO VERIFY UTILITY LOCATION FLAGS FOR DISTRIBUTION LINE. THEY ARE CONFIRMED IN THE NEW PLACE					
VISITORS ON SITE:	ROSS OTTO DMLGA BOAT LONGTOWN JIM EGGERS SSO BOAT LONGTOWN GREG OBEALEY REGION + EPA RUSSELL MALL OGD EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.		
WEATHER CONDITIONS:	65°F		IMPORTANT TELEPHONE CALLS:		
IT PERSONNEL ON SITE: JIM WILSON, BARRY CHANCE					
SIGNATURE:	[Signature]		DATE: 6/8/10		



Shaw Environmental, Inc.

Daily Log	Date	6	8	10
	No.			
	Sheet	2	of	2

FIELD ACTIVITY DAILY LOG  
CONTINUATION SHEET

PROJECT NAME: PAVILLION DRILLING

PROJECT NO. 135 976

FIELD ACTIVITY SUBJECT: FUTUR BOX DELIVERY, DRILLING MUD SITE, EPA MUD SITE

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

15:00 EN CAMP (CHAD WELIVER) OFF-SITE

15:05 RAIN-FM-NEPT OFF-SITE

15:30 OFF-SITE FUN DAY



**Shaw**™ Shaw Environmental, Inc.

Daily Log	Date	6	9	10
	No.			
	Sheet	of		

## FIELD ACTIVITY DAILY LOG

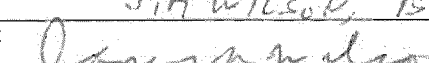
PROJECT NAME:	PAVILLION DRILLING	PROJECT NO.	135 976
FIELD ACTIVITY SUBJECT: BOAT LUNYEAR MOBIL TO SITE			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
<p>9:15 BUNNAY CHANCE ON-SITE</p> <p>10:05 DEB HARRIS WITH WILSON DEQ - TO SEE WELL LOCATION MUD WANTED TO TAKE TO GREG O'BRYEN WITH EPA</p> <p>10:20 DEB HARRIS OFF-SITE</p> <p>10:25 BOAT BROUGHT MUD PUMP + OTHER TRUCK EQUIPMENT</p> <p>11:30 JIM WILSON ON-SITE</p> <p>12:00 GREG O'BRYEN ON-SITE WITH EPA</p> <p>12:10 GREG O'BRYEN OFF-SITE</p> <p>12:15 BOATS CRANE, RIG PLATFORM ON-SITE FUEL TO INCREASE AND RIG + BACKHOE + FORKLIFT DELIVERED + MUD PUMP</p> <p>13:40 CRANE PLACED RIG PLATFORM ON GROUND</p> <p>14:40 CRANE PLACED THE MUD PUMP ON GROUND 15:05 CRANE OFF-SITE</p> <p>15:10 BUNNAY CHANCE CONSIDERS MOBILIZATION ON FORKLIFT AND BACKHOE</p> <p>15:40 DRILL ROSS AND MUD SYSTEM DELIVERED TO THE SITE</p> <p>16:30 SET UP MUD SYSTEM</p> <p>18:00 OFF SITE FOR DAY</p>			
VISITORS ON SITE: RUSS OTTO / JIM HIGGINS - BOAT LUNYEAR GREG O'BRYEN, POSSIBLE MAIL - EPA DEB HARRIS - DEQ MONITOR		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
WEATHER CONDITIONS: CLOUDY 50°F		IMPORTANT TELEPHONE CALLS:	
IT PERSONNEL ON SITE: JIM WILSON, BUNNAY CHANCE			
SIGNATURE: <i>James A. Wilson</i>		DATE: 6/9/10	



Shaw Shaw Environmental, Inc.

Daily Log	Date	6	10	10
	No.			
	Sheet	1	of	1

### FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PAVILLION DRILLING	PROJECT NO.	135926
FIELD ACTIVITY SUBJECT: SITE SET UP			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
<p>7:00 ON-SITE - BUNNEY CONDUCTED INITIAL HEALTH AND SAFETY MEETING FOR THE HASP</p> <p>8:00 SETTING UP DRILLING EQUIPMENT</p> <p>8:15 WATER TRUCK ARRIVES ON-SITE</p> <p>9:00 SET UP SITE CONTROL ZONES AND EXCLUSION ZONES AND MARKED OFF WITH CAUTION TAPE</p> <p>13:00 RAN PLANT ON-SITE WITH 2 ADDITIONAL 15 CY FILTER BUSES</p> <p>15:30 BOAT LONGHORN RD20 INGRESS AND RIG ON-SITE</p> <p>13:45 BUNNEY CHANGE LOGS UNDER HASP WITH 2 NEW DRILLERS HELPING CODY SEAL AND RILEY OSTLER</p> <p>14:00 PAID FOR NEW VOLUMES 2-25 CY FILTER BUSES AND OFF-SITE</p> <p>14:30 DALL RIG SET UP ON DRILLING PLATFORM</p> <p>15:30 LEVELING RIG + HOOKING UP MUD PUMP HOSES</p> <p>17:30 STOP FOR THE DAY DO TO THUNDERSTORMS APPROACHING</p>			
VISITORS ON SITE: Russ Otto, Jim Rogers, John Turner, Tony Fehrenbach, + Adam Benson with Boat Longhorn, Russell Neil with EPA, Cody Seal and Riley Ostler with Boat Longhorn		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
WEATHER CONDITIONS: CLOUDY 47°F		IMPORTANT TELEPHONE CALLS:	
IT PERSONNEL ON SITE: JIM WILSON, BUNNEY CHANCE			
SIGNATURE: 		DATE: 6/10/10	

Daily Log	Date	6	11	10
	No.			
	Sheet	1	of	2

## FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PAVILLION DRILLING	PROJECT NO.	135 976
FIELD ACTIVITY SUBJECT: SITE SET UP FOR LOCKER HW-1			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
<p>7:00 ON-SITE</p> <p>7:15 TAILGATE SAFETY MEETING</p> <p>8:00 SETTING UP DRILLING EQUIPMENT</p> <p>8:30 HOIKING UP HUP PUMP HOSES TO RIG</p> <p>9:00 WEATHERFIND ONSITE JERREY SCHOONER FISHING MEETING - BOP COMPANY GOING OVER THE BOP SPECS AND PROCEDURES</p> <p>9:45 WEATHERFIND FISHING + MEETING OFF-SITE LEFT BOP TRAILER ONSITE</p> <p>10:20 PUMPING WATER INTO HWD TANK FROM WATER TRUCK <u>7,500 GALLONS</u></p> <p>11:00 MIXING HWD</p> <p>11:30 BOAT CREW GETS SITE TO RIVINGTON FOR INTERVIEW CONFERENCE CALL FOR PROCEDURES CHECK AND OPERATIONS</p> <p>11:35 SHAW OFF-SITE</p> <p>13:50 SHAW ON-SITE</p> <p>14:40 BOAT LONGHORN ON-SITE</p> <p>15:00 MIXING HWD AND MOVING FILTER BOXES INTO PLACE AT THE HWD PUMP SYSTEM</p> <p>16:00 WORKING ON HWD HOPPER + HWD PUMP. HOPPERNICK LUGGERS AND GRASING HWD PUMP BRACKETS AND REPAIRING WOODY PUMP FOR HS-1</p> <p>17:00 DUG DOWN 5 FEET BELOW GROUND SURFACE WITH ROSS MINI DIGGER AT DRILLING LOCATION</p>			
VISITORS ON SITE: ROSS OTTO, JIM REGGAS, ADAMUS, COY SEAL, + RILEY OSTLER WITH BOAT RUSSELL NEILL WITH EPA JERREY SCHOONER WITH WEATHERFIND FISHING MEETING		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
WEATHER CONDITIONS: CLOUDY 45° F		IMPORTANT TELEPHONE CALLS:	
IT PERSONNEL ON SITE: JIM WILSON, BURNIEY CHANCE			
SIGNATURE: <u>Jim R. Wilson</u>		DATE: <u>6/11/10</u>	



Daily Log	Date	6	11	10
	No.			
	Sheet	2	of	2

FIELD ACTIVITY DAILY LOG  
CONTINUATION SHEET

PROJECT NAME: <u>PAVILLION DRILLING</u>	PROJECT NO. <u>135976</u>
FIELD ACTIVITY SUBJECT: <u>SITE SETUP FOR LOGREA MW-1</u>	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:  <u>18:00 DUG DOWN ONE FOOT BELOW GROUND SURFACE WITH</u> <u>BACKHOE TO ALLOW HUNG ROOM FOR BOP</u>  <u>18:40 BOAT LONGERAN + SHAW OFF-SITE FOR OAX</u>	

Daily Log	Date	6	12	10
	No.			
	Sheet	1	of	1

## FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PAVILION DRILLING	PROJECT NO.	135976
FIELD ACTIVITY SUBJECT: FINAL SET UP AND START DRILLING LOCKER MW-1			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
<p>6:55 ARRIVE ON-SITE</p> <p>7:10 START LOGGING ON-SITE</p> <p>7:20 TAILGATE SAFETY MEETING</p> <p>8:15 DIGGING OUT A 2 FOOT WIDE HOLE DOWN TO GET FIRM SPACE TO WORK ON. BLOW OUT PREVENTER AND TO CHECK FOR UTILITIES SINCE THE SURFACE BIT IS <math>17\frac{1}{2}</math>" IN DIAMETER.</p> <p>8:30 SETTING UP SCREENS FOR MUD SYSTEM CUTTINGS + MIXING MUD</p> <p>10:00 SETTING SURFACE CAN PIPE 20" DIAMETER OVER DRILLING HOLE 13' LONG FOR SURFACE TO 100' DRILLING</p> <p>10:30 SCANNED SURFACE CAN AND AROUND THE AREA WITH 4 GAS METER WITH NO DETECTABLE READINGS FOR POWER TOOL USAGE BY DRILLER FOR BEVELING TOP OF SURFACE CAN</p> <p>11:00 PUSHING SURFACE CAN DOWN WITH DRILLING HEAD 2 FT FOR A TOTAL OF 5 FT BELOW GROUND SURFACE</p> <p>11:15 SHAFT ON WOODY PUMP WAS REBUILT BUT ABOUT 1" SHORT OF FITTING BEAMS AND MOTOR ON. CALLING IN TO MACHINE SHOPS TO WORK ON BRASS LINE END OF SHAFT TO THE RIGHT DIAMETER. ALL MACHINE SHOPS ARE CLOSED IN THE AM. WILL HAVE SHAFT IN MACHINE SHOP ON MONDAY AT 7 AM</p> <p>12:00 BOAT FOUND OUT THAT THE REBUILT SHAFT IS THE WRONG ONE AND THE RIGHT ONE WILL BE OVERNIGHTED AND GET HERE BY SUNDAY AFTERNOON.</p> <p>13:00 ADDED 20 BAGS OF QUICK GEL FOR DRILLING MUD.</p> <p>14:00 OFF-SITE FOR DAY AND START BACK ON MONDAY AT 7 AM</p>			
VISITORS ON SITE: RUSS OTTO, ADAM ENSIGN, LUDY SEAL, + RILEY OSTERMAN WITH BOAT, RUSSELL NEILL WITH EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: WOODY PUMP SHAFT DID NOT FIT OVERNIGHTING THE RIGHT SHAFT	
WEATHER CONDITIONS: RAIN 41°F		IMPORTANT TELEPHONE CALLS:	
IT PERSONNEL ON SITE: JIM WILSON, BUNNEY CHANCE			
SIGNATURE: <u>James A. Wilson</u>		DATE: 6/12/10	





Shaw™ Shaw Environmental, Inc.

Daily Log	Date	6	14	10
	No.			
	Sheet	1	of	2

## FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PAVILION DRILLING	PROJECT NO.	135.976
FIELD ACTIVITY SUBJECT:	DRILL DOWN 100 FT <del>APPROX</del> <del>SURFACE</del> <del>CANAL</del>		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
LOCKER MW-1			
7:00 SHAW AND BOAT LOPEYEA ON-SITE			
7:15 SAFETY MEETING + RUSSELL MEET WITH EPA ON-SITE			
7:45 SCANNING LOCKER MW-1 HOLE LOCATION WITH 4 GAS METER NOVA DETECTED			
8:15 CUTTING OFF 2 FT OF SURFACE CAN FOR DIVERTER PIPE			
9:15 RUSSELL MEET WITH EPA OFF-SITE + TRAVIS SCHUBER WITH WEATHERFORD ON-SITE			
9:30 ASSEMBLY OF AIR ROTARY TOOLS FOR DRILLING FIRST 15 FEET			
INSTALLING THE NEW MACHINER SHIRT ON THE WOODY MUD PUMP			
10:30 HOOK UP 22 FT STABILIZER AND 17 1/2" DRILL BIT			
10:50 COMMENCED DRILLING WITH AIR ROTARY			
11:05 SCANNED WITH GAS METER WITH NO READINGS. AT 10 FT. BELOW GROUND SURFACE			
12:45 SCANNED WITH GAS METER WITH NO READINGS. AT 20 FT. - BGS			
13:00 LUNCH			
13:30 CHANGE SYSTEM FROM AIR ROTARY TO MUD ROTARY			
13:40 HOOKING UP DIVERTER PIPE TO MUD PUMPSTER (2 CY CAPACITY)			
14:10 PUTTING WOODY PUMP INTO PUMPSTER AND PUTTING HOSES TO CONNECT TO MUD SYSTEM			
14:30 HOOKING UP FIRST 30 FT DRILL ROD AND LOWERED THE DRILL TABLE AND DRILL BUSHINGS INTO PLACE			
15:05 DRILLING WITH MUD SYSTEM AT 20 FT. - BGS			
15:45 MWD WT 9.4 VIS G2 3.4% SAND 96.6% SILT/CLAY AT 30 FT. - BGS			
VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.		
THE EGUINE, ADAM ENSIGN, CORY SEAL, RUBY ESTER, RUSSELL MEET WITH BOAT RUSSELL MEET WITH EPA TRAVIS SCHUBER WITH WEATHERFORD			
WEATHER CONDITIONS:	IMPORTANT TELEPHONE CALLS:		
SUNNY 52° F			
IT PERSONNEL ON SITE:	JIM WILSON, BUREAU, CHANCE		
SIGNATURE:	JAMES A. WILSON		DATE: 6/14/10



Shaw Environmental, Inc.

Daily Log	Date	6	14	10
	No.			
	Sheet	2	of	3

FIELD ACTIVITY DAILY LOG  
CONTINUATION SHEET

PROJECT NAME:	PAVILLION DRILLING	PROJECT NO.	135 976
FIELD ACTIVITY SUBJECT:	DRILL DOWN TO 100 FT		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
16:30 SCANNED WITH GAS METER AT 60 FT-BGS NO DETECT			
17:05 MUD WT 8.8 VIS 65 AT 75 FT-BGS			
17:40 SCANNED WITH GAS METER AT 80 FT-BGS NO DETECT			
18:30 MUD WT 8.8 VIS 66 AT 95 FT-BGS			
18:45 TOTAL DEPTH 100 FT-BGS			
19:10 OFF SITE			

Daily Log	Date	6	15	10
	No.			
	Sheet	1	of	

## FIELD ACTIVITY DAILY LOG

PROJECT NAME: PAVILLION DRILLING	PROJECT NO. 135976
FIELD ACTIVITY SUBJECT: SET SURFACE CASING FOR LOCKER MW-1	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
<p>7:00 SHAW + BOANT LONGYEAR ON SITE</p> <p>7:30 TAILGATE SAFETY MEETING</p> <p>8:00 RECIRCULATING AND CONDITIONING THE DRILLHOLE LOCATION DOWN TO 100 FT-BGS</p> <p>9:00 TRIPPING OUT OF THE HOLE TO REEFIT OUT AND BACK IN</p> <p>9:45 REMOVING DIVERTER AND DRILL PIPE RODS</p> <p>10:30 REMOVING THE STABILIZER AND DRILL BIT</p> <p>11:15 SCANNING WITH GAS METER WHILE REMOVING STABILIZER</p> <p>NO GASES DETECTED</p> <p>12:30 BOANT ON LUNCH</p> <p>13:00 SETTING 10" STEEL CASING WELDING EACH OF 5-20 FT PIPES</p> <p>16:30 CEMENTING IN THE 10" CASING - LOWERING 1 1/4" TAPER PIPE DOWN TO 100 FT-BGS ON THE OUTSIDE OF 10" CASING</p> <p>17:00 MIXING CEMENT AND PUMPING DOWN THE TAPER PIPE</p> <p>USED 82 BAGS OF PORTLAND CEMENT + 3/4 BAG OF CALCIUM CHLORIDE</p> <p>19:50 SHAW + BOANT OFF-SITE</p>	
VISITORS ON SITE: RUSS OTTO, CODY SEAL, ADAM ENSIGN, RILEY OSTLER WITH BOANT	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.
WEATHER CONDITIONS: SUNNY 61°F	IMPORTANT TELEPHONE CALLS:
IT PERSONNEL ON SITE: JIM WILSON, BURNBY CHANCE, JOE TYBUNSKI	
SIGNATURE: James H. Wilson	DATE: 6/15/10

## FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	16	10
	NO.			
	SHEET	1 OF		

PROJECT NAME: PAVILLION DRILLING		PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: SETTING UP BLOW OUT PREVENTER		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:		
<p>9:00 SHAW AND BOART LONGYEAR ONSITE</p> <p>9:30 TAIL GATE SAFETY MEETING</p> <p>DOM DIGIULIO WITH EPA ONSITE TO DISCUSS DRILLING MUD AND SAMPLING PROCEDURES</p> <p>KRISTIE HANCOCK + MARIANNI FUEGO WITH EPA ONSITE</p> <p>10:00 BURT CLEANING OUT AREA FOR WEATHER FOR BOP INSTALLATION</p> <p>10:30 JOE TYBUNSKI ONSITE TO TALK TO DOM DIGIULIO ABOUT SITE PLANS - DRAS HANCOCK WITH WYDRO ONSITE + 10:50 OFF-SITE</p> <p>11:30 ENCANOA ONSITE AND TALKED WITH EPA</p> <p>11:45 ENCANOA OFF-SITE</p> <p>12:00 IPS PRESSURE TESTING ONSITE TO CUT CASING + WELD ON FLANGE + SCOTT'S WELDING + FABRICATION, INC ONSITE + JEREMY SCHUBERT 12:45 IPS OFF-SITE</p> <p>12:00 SHAW CONDUCTING HTS WITH BOP WELDING + TESTING CEN</p> <p>13:00 CUT OFF TOP 3 FT OF 10" CASING TO WELD ON FLANGE</p> <p>13:45 SHUT DOWN FOR 30 MINUTES FOR ISOLATED THUNDERSTORMS</p> <p>14:35 START BACK TO WORK TO WELD ON BOP FLANGE</p> <p>14:40 JOE TYBUNSKI OFF-SITE</p> <p>16:50 SHUT DOWN 30 MINUTES FOR ISOLATED THUNDERSTORMS</p> <p>17:30 START BACK TO WORK TO WELD ON BOP FLANGE DOM OFF-SITE</p> <p>17:45 FINISHED WELDING ON BOP FLANGE</p> <p>18:00 SHAW, BURT + WELDER OFF-SITE + WEATHERFORD OFF-SITE</p> <p>VISITORS - TOM PARDON, PETER GOSER, MIKE HANDES, + JEREMY SCHUBERT</p>		
VISITORS ON SITE: RUSS OTTO, CODY SEAL, ADAM ENSIGN, RILEY OSTLER WITH BURT DOM DIGIULIO, KRISTIE HANCOCK, MARIANNI FUEGO WITH EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: ALL DRILL CUTTINGS AND MUD WILL GO TO LAND FILL REGARDLESS IF NON-DETERIO
WEATHER CONDITIONS: SUNNY 55°F		IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: JIM WILSON, BUNNEY CHANCE, JOE TYBUNSKI		
SIGNATURE: <i>James A. Wilson</i>		DATE: 6/16/10

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	17	10
	NO.			
	SHEET	1 OF		

PROJECT NAME: PAVILLION DRILLING		PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: HOOK UP BLOW OUT PREVENTER AND DRILL UNDER SURFACE		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:		
7:00	SHAW, BOAST, WEATHERFORD, + SCOTT'S WELDING ON-SITE	
7:15	TAIL GATE SAFETY MEETING	
8:00	DOM DIGIULIO, KRISTIE HARGRAVE, HANNAH FURGO WITH EPA ON-SITE JOE TYBUNSKI WITH SHAW ON-SITE	
8:30	PETER GOSER + RICK MANDES WITH IPS PRESSURE TESTING ON-SITE AND TOM PANDEN WITH SCOTT'S WELDING OFF-SITE AFTER FINISH WELDING TUBE BELOW FLANGE ON BOP	
9:00	CUTTING I-BEAMS TO ALLOW BOP TO POSITION OVER HOLE ON THE BOP PLATFORM	
9:15	CHECKING POSSIBLE LOCATIONS FOR 2ND WELL WITH DOM DIGIULIO AND JOE TYBUNSKI	
10:00	BOP SET ON TOP OF FLANGE AT WELL LOCATION	
10:40	PRESSURE TESTING THE BOP AT 5 MIN @ 250 PSI, 5 MIN @ 500 PSI, AND 5 MIN @ 1000 PSI	
11:05	FINISHED PRESSURE TEST	
11:25	IPS PRESSURE TESTING OFF-SITE - TONY BYRD WITH WEATHERFORD ON-SITE	
11:45	BUILDING DIVERTER USING 10" CONDUIT CASING	
14:00	JOE TYBUNSKI OFF-SITE - FINISHED WELDING DIVERTER ON	
15:00	<del>BOP</del> STABILIZER IS TOO BIG TO FIT IN 10" CONDUIT CASING STABILIZER IS 11" IN DIAMETER -	
15:30	CLOSED BOP ON DRILLING ROD - JEREMY SCHUMER OFF-SITE DOM DIGIULIO, KRISTIE HARGRAVE, + HANNAH FURGO WITH EPA OFF-SITE	
16:00	BOP + CABLE OFF-SITE + SHAW OFF-SITE TONY BYRD WITH WEATHERFORD PETER GOSER + RICK MANDES WITH IPS PRESSURE TESTING	
VISITORS ON-SITE → DOM DIGIULIO, KRISTIE HARGRAVE, + HANNAH FURGO / EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: HUT SHOOTING A 9" STABILIZER FROM LOS ALAMOS, NM. STARTUP AT 7 AM FRIDAY 6/18/10
VISITORS ON SITE: RUSSOTTO, CODY SEAL, ADAM ENSIGN, RILEY OSTEN WITH BOAST JEREMY SCHUMER WITH WEATHERFORD TOM PANDEN WITH SCOTT'S WELDING		IMPORTANT TELEPHONE CALLS:
WEATHER CONDITIONS: COLD, WINDY 43° F		
SHAW PERSONNEL ON SITE: J. WILSON, B. CHANCE, J. TYBUNSKI		
SIGNATURE: <i>Jane M. Wilson</i>		DATE: 6/17/10

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	18	10
	NO.			
	SHEET	1	OF	2

PROJECT NAME	PAVILLION DRILLING LOWER UNIT	PROJECT NO.:	135976
FIELD ACTIVITY SUBJECT: DRILLING STARTING AT 100 FT WITH 9 7/8" BIT			
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
7:00	SHOW AND BOAT AND WEATHERFIND ONSITE		
7:10	TAILGATE SAFETY MEETING		
7:15	MUD VIS 52 WT 9.1 0.5% SAND CONTENT PH 8		
8:00	OPENED BOP AND PUTTING 9 7/8" CARBIDE TIPPED DRILLING BIT ON STABILIZER 9" TO LOWER INTO HOLE		
	SCANNED MUD IN HOLE WITH NO GAS READINGS		
8:30	BIT IS NOT GOING THROUGH THE BOTTOM BOP FLANGE		
9:00	CHANGED TO SMALLER BIT 9 3/8" AND LOWERED DOWN AND WENT THROUGH		
9:15	WENT BACK DOWN WITH 9 7/8" BIT AND WENT THROUGH THE STABILIZER WAS NOT STRAIGHT THE FIRST TIME IN THE HOLE		
9:20	PUT DIGIULLIO, KRISTIE HARGREVE, + MAMANNI FURGO WITH EPA ON SITE		
10:00	DRILLING AT 100 FT - BGS		
10:15	WENT OVER TO ZOR ANDRANIS PROPERTY WITH DON DIGIULLIO + RUSSETTO TO FIND A GOOD LOCATION FOR THE SECOND WELL		
11:30	DRILLING AT 170 FT - BGS		
12:10	DRILLING AT 200 FT - BGS		
12:45	STOPPED DRILLING AT 220 FT - BGS MUDY PUMP IS CLOGGING UP WITH THICK MUD		
13:45	BACK TO DRILLING MUD W/ 8.9 TRACE SAND VIS 61 PH 9		
14:30	TRIPPING OUT OF THE HOLE AT 220 FT - BGS BIT IS CLOGGED UP		
15:15	TOOK BIT OUT OF THE HOLE AND IT WAS DAMN DOWN ON THE OUTSIDE EDGES		
17:00	BOAT RELOADED TO GO DOWN WITH A MAGNET TO RECOVER OTHER		
VISITORS ON SITE: RUSSETTO, CODY SEAL, ADAM ENSIGN, RILEY OSTLER WITH BOAT TEAMAT SCARVER WITH WEATHER FOND DON DIGIULLIO, KRISTIE HARGREVE, + MAMANNI FURGO WITH EPA		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: DRILL BIT WAS WORN DOWN BY METAL OBJECT IN HOLE	
WEATHER CONDITIONS: SUNNY 47°F		IMPORTANT TELEPHONE CALLS:	
SHAW PERSONNEL ON SITE: J. WILSON, B. CHANCE			
SIGNATURE: <i>Jason J. Wilson</i>		DATE: 6/18/10	



Shaw Environmental, Inc.

Daily Log	Date	6	18	10
	No.			
	Sheet	2	of	2

FIELD ACTIVITY DAILY LOG  
CONTINUATION SHEET

PROJECT NAME:	PAVILLION DRILLING	PROJECT NO.	135976
FIELD ACTIVITY SUBJECT:	DRILLING STARTING AT 100 FT-BGS TO 220 FT-BGS		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
<p>17:15 LAYING DOWN STABILIZER AND CLOSED BOP AROUND ONE DRILL ROD - EPA OFFSITE</p> <p>MUD USED 1 BAG QUICK GEL</p> <p>3-10 LB BUCKETS OF EZ MUD</p> <p>30 LB 1 BUCKET OF QUIK-TROL GOLD</p> <p>18:00 BOAT AND SHAW OFFSITE</p>			

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	19	10
	NO.			
	SHEET 1 OF			

PROJECT NAME: PAVILLION DRILLING LOCKER HW-1		PROJECT NO.: 135976
FIELD ACTIVITY SUBJECT: RETREIVING METAL OBJECT IN HOLE AND DRILLING SPACED AT 220 FT		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:		
<p>7:00 SHAW + BURNS ON SITE + WEATHERFORD ON SITE</p> <p>7:15 TRAILGATE SAFETY MEETING</p> <p>8:00 MOVING THIRD FILTERBOX INTO PLACE UNDER TWO SPACERS</p> <p>8:30 EPA ON SITE DOT DIGULING, KMSOR HAN LAOK, HANIAN, PULAB</p> <p>9:15 HOOKING UP MAGNET FOR METAL RETREIVAL IN THE HOLE</p> <p>OPEN BOP AND PULL DRILL ROD OUT</p> <p>9:40 GOING DOWN THE HOLE WITH MAGNET</p> <p>10:20 ON BOTTOM OF HOLE AT 220 FT-BGS WITH MAGNET</p> <p>11:00 MAGNET OUT OF HOLE PICKED UP 2 CANDIDE TEETH</p> <p>12:15 PUT ON TRI-CORR MILLTOOTH 9 7/8" BIT AND GOING DOWN TO</p> <p>GET TROUBLE AT THE RESIST THE METAL OBSTRUCTION AT 220 FT-BGS</p> <p>12:45 DRILLING AT 220 FT-BGS</p> <p>13:45 DRILLING AT 230 FT-BGS APPEARS TO HAVE GONE BY OBJECT</p> <p>14:00 DRILLING AT 270 FT-BGS</p> <p>15:00 DRILLING AT 310 FT-BGS @ 40 FT/HR</p> <p>15:00 59 VLS 9.2 WT 170 SAND 8 P/H</p> <p>16:00 DRILLING AT 345 FT-BGS @ 35 FT/HR</p> <p>17:00 DRILLING AT 370 FT-BGS @ 25 FT/HR</p> <p>18:00 DRILLING AT 383 FT-BGS @ 13 FT/HR</p> <p>18:30 DRILLING AT 395 FT-BGS @ 24 FT/HR</p> <p>18:45 BOP OFF SITE</p> <p>19:00 SHAW + BURNS OFF SITE</p> <p>DRILLED 220' - 395' FOR TOTAL OF 175 FT</p>		
VISITORS ON SITE: JIM EGGER, COOY SEAL, ADAM ENSIGN, RILEY OSTLER + RUS OTTO JIM BYRD WITH WEATHERFORD DOT DIGULING, KMSOR HAN LAOK, HANIAN, PULAB		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS: SUNNY 48°F		IMPORTANT TELEPHONE CALLS:
SHAW PERSONNEL ON SITE: JIM WILSON, BURNLEY CHANCE		
SIGNATURE: <i>James A. Wilson</i>		DATE: 6/19/10



## FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	20	10
	NO.			
	SHEET	1	OF	

PROJECT NAME: PAVILION DRILLING LUCKEN HW-1 PROJECT NO.: 135976

FIELD ACTIVITY SUBJECT: DRILLING STARTING AT 395 FT

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:00 SHAW AND BOART ON SITE + WEATHER FUND ON-SITE  
 7:15 TAILGATE SAFETY MEETING  
 7:45 OPEN BOP AT NEW HORIZON BURN D1611110 ON-SITE  
 8:00 DRILLING STARTING AT 395 FT - BGS  
 MUD → VIS 60 WT 9.5 PH 9.0 1% SAND  
 9:00 DRILLING AT 420 FT - BGS @ 25 FT/HR  
 10:00 DRILLING AT 440 FT - BGS @ 20 FT/HR  
 11:00 DRILLING AT 460 FT - BGS @ 20 FT/HR  
 12:00 DRILLING AT 475 FT - BGS @ 15 FT/HR  
 12:30 MUD → VIS 70 WT 9.7 1% SAND PH 9.0  
 13:00 DRILLING AT 500 FT - BGS 25 FT/HR  
 14:00 DRILLING AT 525 FT - BGS 25 FT/HR  
 15:00 DRILLING AT 550 FT - BGS 25 FT/HR  
 16:00 DRILLING AT 585 FT - BGS 35 FT/HR  
 17:00 DRILLING AT 610 FT - BGS 25 FT/HR  
 18:00 DRILLING AT 625 FT - BGS 15 FT/HR  
 MUD → VIS 66 WT 9.9 PH 9.0 75% SAND  
 18:35 STOPPED DRILLING AT 637 FT - BGS  
 DRILLED 395 FT TO 637 FT FOR TOTAL OF 242 FT  
 18:45 CLOSED BOP ON DRILL PIPE  
 19:00 SHAW, BOART, EPA OFF-SITE

VISITORS ON SITE: JIM ABBAS, CODY SEAN,  
 ADAM PASHAN, RYAN OSTLER, RUSSELL  
 TONY BINA WITH WEATHER FUND  
 BOB DIGULIO WITH EPA

CHANGES FROM PLANS AND SPECIFICATIONS, AND  
 OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:

WEATHER CONDITIONS:

SUNNY 60° F

IMPORTANT TELEPHONE CALLS:

SHAW PERSONNEL ON SITE: JIM WILSON, BURNETT CHANCE

SIGNATURE: Shaw & Wilson

DATE: 6/20/10

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	21	10
	NO.			
	SHEET	OF		

PROJECT NAME: PAVILLION DRILLING PROJECT NO.: 135-976

FIELD ACTIVITY SUBJECT: DRILLING STARTING AT 637 FT-BGS

## DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:00 SHAW 4 BOARD ON SITE + WEATHERFORD ON SITE  
 7:15 TAIL GATE SAFETY MEETING  
 8:00 OPEN BUP AND DRILLING CONTINUED AT 637 FT-BGS  
 8:30 COMING OUT OF HOLE TO CHANGE THE BIT  
 EPA ON SITE WITH D. GULLIG + MARIAN FREGO  
 9:30 CALLED IN THE UTILITY LOCATOR FOR THE ZIE RANDELL  
 WELL LOCATION UPL # 101 720 186  
 10:00 OUT OF THE HOLE WITH THE MILL TOOTH BIT - BEARINGS  
 WENT OUT OF ONE OF THE CONES.  
 11:00 PUT ON A NEW TAIL CONE BOTTOM BIT AND ADDED  
 3 HEAVIER PAUL COLLARS ALONG WITH THE STABILIZER.  
 13:30 JERRY SCHROEDER WITH WEATHERFORD OFF-SITE  
 14:00 BACK TO DRILLING AT 637 FT-BGS  
 MUD - WT 10.1 VIS 60 PH 9.0  
 15:00 DRILLING AT 656 FT-BGS 19 FT/HN  
 BUANT BEGINS TO CHANGE TO ANOTHER CAMBRIE CLAW BIT  
 15:10 COMING OUT OF HOLE TO CHANGE BIT  
 18:00 PUT NEW BIT ON AND GOING BACK IN THE HOLE  
 18:30 CLOSE BUP ON PAUL COLLAR EPA OFF-SITE  
 19:00 SHAW 4 BOARD OFF-SITE

DRILLED 19 FT 637 FT TO 656 FT

VISITORS ON SITE: ROSS OTTO, JIM EGGERS,  
 CODY SEAL, ADAM EMISSION, RILEY ISLER  
 JERRY SCHROEDER WITH WEATHERFORD

DUTY DRILLING, MARIAN FREGO WITH EPA

CHANGES FROM PLANS AND SPECIFICATIONS, AND  
 OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:  
 CHANGE BIT TWICE TODAY

WEATHER CONDITIONS:  
 SUNNY 55°F

IMPORTANT TELEPHONE CALLS:

SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HARTT

SIGNATURE: James Wilson

DATE: 6/21/10

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	22	10
	NO.			
	SHEET	OF		

PROJECT NAME: PAVILLION DRILLING PROJECT NO.: 135 876

FIELD ACTIVITY SUBJECT: DRILLING STARTING AT 656 FT-BGS

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:00 SHAW + BURNT ON-SITE  
 7:20 TRILGATE SAFETY MEETING  
 7:45 OPEN BOP OFF OF COLLAR EPA ON-SITE  
 8:00 GOING BACK IN THE HOLE TO 656 FT-BGS  
 9:30 ON BOTTOM WITH CARBIDE CLAW BIT  
 10:00 DRILLED TO 660 FT-BGS IN HARD GRAY SHALE  
 TRIPPING BACK OUT TO PUT ON A TRICONE BIT THAT WILL  
 DRILL FASTER IN SHALE  
 11:30 OUT OF THE HOLE WITH BALLED UP CARBIDE CLAW BIT  
 WAITING ON NEW MILL TOOTH TRICONE BIT TO ARRIVE  
 FROM CASPER  
 13:20 NEW MILL TOOTH TRICONE BIT ARRIVES ON SITE  
 13:30 GOING BACK IN THE HOLE WITH NEW BIT  
 14:35 SHUT DOWN DUE TO THUNDER + LIGHTNING  
 15:50 BACK TO GOING DOWN TO BOTTOM WITH DRILL BIT  
 16:40 ON BOTTOM AT 660 FT-BGS DRILLING  
 17:00 STOPPED AT 661 FT-BGS AND SET BOP ON DRILL PIPE  
 17:30 SHAW, BURNT, AND EPA OFF-SITE

DRILLED 656 FT TO 661 FT — TOTAL 5 FT

VISITORS ON SITE: RUSSE OTTO, SIM EGGERS,  
SUPERVISOR, ADAM ENSIGN, RILEY OSTLER,  
DOH DIGIULLIO, ADAM ENRI FURLO WITH EPA

CHANGES FROM PLANS AND SPECIFICATIONS, AND  
 OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:  
CHANGE CARBIDE CLAW BIT TO A MILL TOOTH  
TRICONE BIT FOR BETTER DRILLING RATE IN SHALE

WEATHER CONDITIONS:  
SUNNY 58°F

IMPORTANT TELEPHONE CALLS:

SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HIATT

SIGNATURE: James A. Wilson

DATE: 6/22/10

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	23	10
	NO.			
	SHEET	OF		

PROJECT NAME: PAVILLION DRILLING PROJECT NO.: 135 976

FIELD ACTIVITY SUBJECT: DRILLING STARTING AT 661 FT - BGS

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

7:00	SHAW + BUANT ON SITE
7:15	TAIL GATE SAFETY MEETING
7:40	OPEN BOP OFF DRILLING PIPE
7:50	DRILLING AT 661 FT - BGS
	MUD - VIS 62 WT 10.2 PH 9 SAND CONTENT 1%
8:15	DOA DIG/WELD ON SITE
8:45 - 9:00	TERREY SCHUONER WITH WAGNER AND ON SITE OFF SITE
9:00	DRILLING AT 685 FT - BGS 20 FT/Hr
10:00	DRILLING AT 700 FT - BGS 15 FT/Hr
11:00	DRILLING AT 705 FT - BGS 15 FT/Hr
13:00	DRILLING AT 750 FT - BGS 17.5 FT/Hr
14:30	DRILLING AT 790 FT - BGS 25 FT/Hr
15:30	DRILLING AT 820 FT - BGS 30 FT/Hr
17:00	DRILLING AT 845 FT - BGS 17 FT/Hr
18:00	DRILLING AT 860 FT - BGS 15 FT/Hr
18:30	STOPPED DRILLING AT 865 FT - BGS
	TOTAL DRILLED TODAY 204 FEET
18:45	SHUT BOP ON DRILLING PIPE
19:00	SHAW, BUANT, + EPA OFF SITE

VISITORS ON SITE: <u>ROSS OTTO, J.D. EGGER, CAPT SHAL, ADAM E. SIOGA, RILEY OSTROM, TERREY SCHUONER WITH WAGNER AND DOA DIG/WELD WITH EPA</u>	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
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WEATHER CONDITIONS: <u>SUNNY 57°F</u>	IMPORTANT TELEPHONE CALLS:
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SHAW PERSONNEL ON SITE: <u>JIM WILSON, STEVE MINT</u>	
SIGNATURE: <u>[Signature]</u>	DATE: <u>6/23/10</u>

# FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	6	24	10
	NO.			
	SHEET	1	OF	1

PROJECT NAME:	PAVILLION DRILLING LOCKER HW-1	PROJECT NO.:	135976
FIELD ACTIVITY SUBJECT:	DRILLING STARTING AT 865 FT-BGS		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:			
7:00	SHAW + BUANT LONGHEAR ON-SITE		
7:30	TAILGATE SAFETY MEETING		
7:50	OPEN BOP OFF OF DRILLING RODS		
8:00	START DRILLING AT 865 FT-BGS EPA-ONSITE		
9:00	DRILLING AT 875 FT-BGS 10 FT/Hr		
	MUD → VIS-76 WT 10.6 PH 9		
9:30	PORT FILLED UP WATER TRUCK ARRIVING ON-SITE		
10:00	DRILLING AT 882 FT-BGS 7 FT/Hr		
11:00	DRILLING AT 892 FT-BGS 10 FT/Hr		
12:00	DRILLING AT 905 FT-BGS 13 FT/Hr		
13:00	DRILLING AT 920 FT-BGS 15 FT/Hr		
14:00	DRILLING AT 935 FT-BGS 15 FT/Hr		
15:00	DRILLING AT 955 FT-BGS 20 FT/Hr		
16:00	DRILLING AT 970 FT-BGS 15 FT/Hr		
17:00	DRILLING AT 987 FT-BGS 17 FT/Hr		
17:45	STOPPED DRILLING AT 997 FT-BGS FOR TOTAL DEPTH		
18:00	CLOSED BOP ON DRILL PIPE		
18:30	SHAW, BUANT, AND EPA OFF-SITE		
<p>DRILLED FROM 865 FT-BGS TO 997 FT-BGS TOTAL 132 FEET</p>			
VISITORS ON SITE: RUSS OTTO, SIM FLEGENS, CODY SEAR, ADAM ENSIBER, RICH OTTEWILL WITH BUANT		CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:	
DOD DIGIULLIO WITH EPA			
WEATHER CONDITIONS: SUNNY 58°F		IMPORTANT TELEPHONE CALLS:	
SHAW PERSONNEL ON SITE: JIM WILSON, STEVE HARTY			
SIGNATURE: <i>Jim Wilson</i>		DATE: 6/24/10	